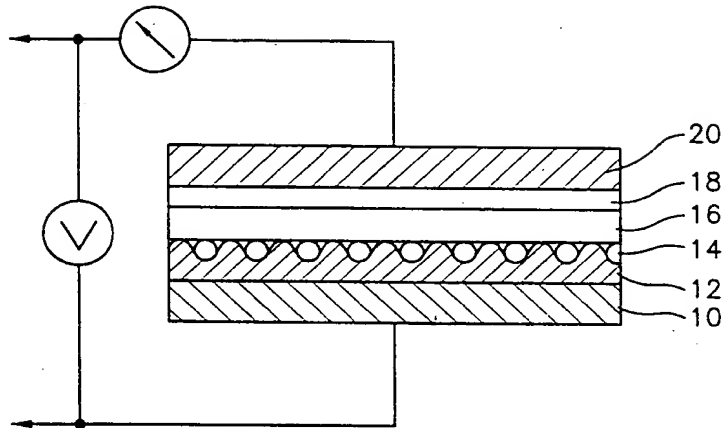


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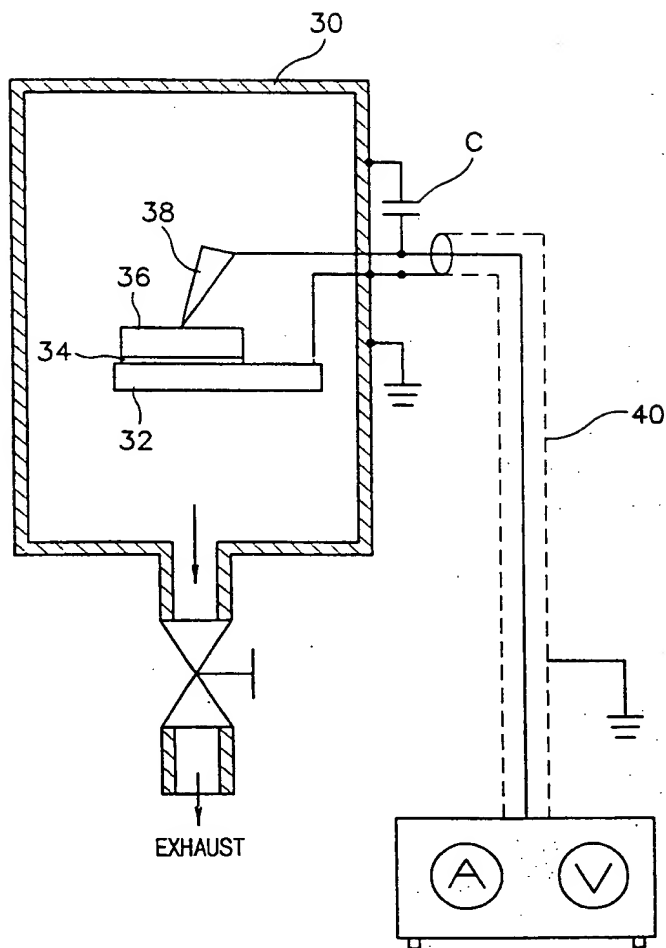
FIG. 1



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FIG. 2

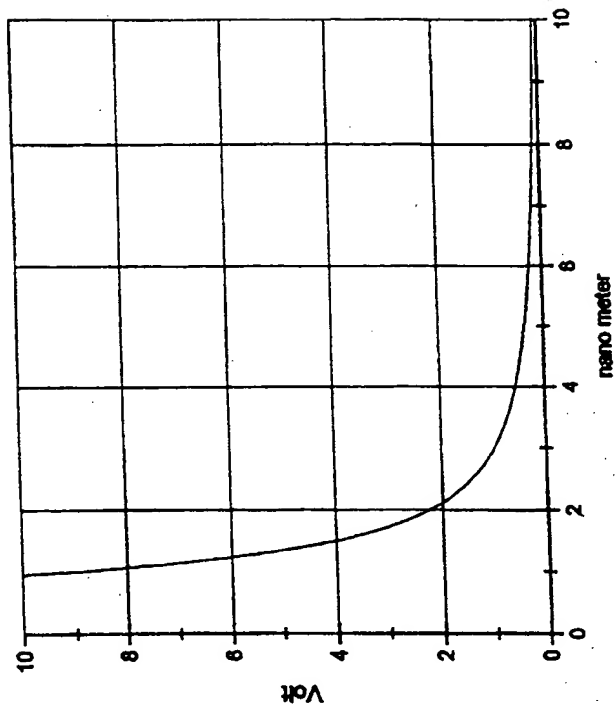


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FIG. 3

$V = \frac{L}{4} (e^{-S})^q$  ( $L = 31 \text{ \AA}$ ,  $e = 8.85 \times 10^{-12}$ ,  $q = 1.602 \times 10^{-19} \text{ C}$ )  
 $V = 8.828(X^2)$ , ( $X = \text{Diameter of nano dot}$ )



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FIG. 4

$$W = (1/2)qV \quad q = 1.602 \times 10^{-19} \text{C}, W = kT \cdot 1.602 \times 10^{-19} \text{J}$$
$$V = 2W/q = 2 \cdot 0.028 \text{V}$$

